CONTROL COMMANDING
L TO L+90 ACTIVATION AND CAL SEQUENCES

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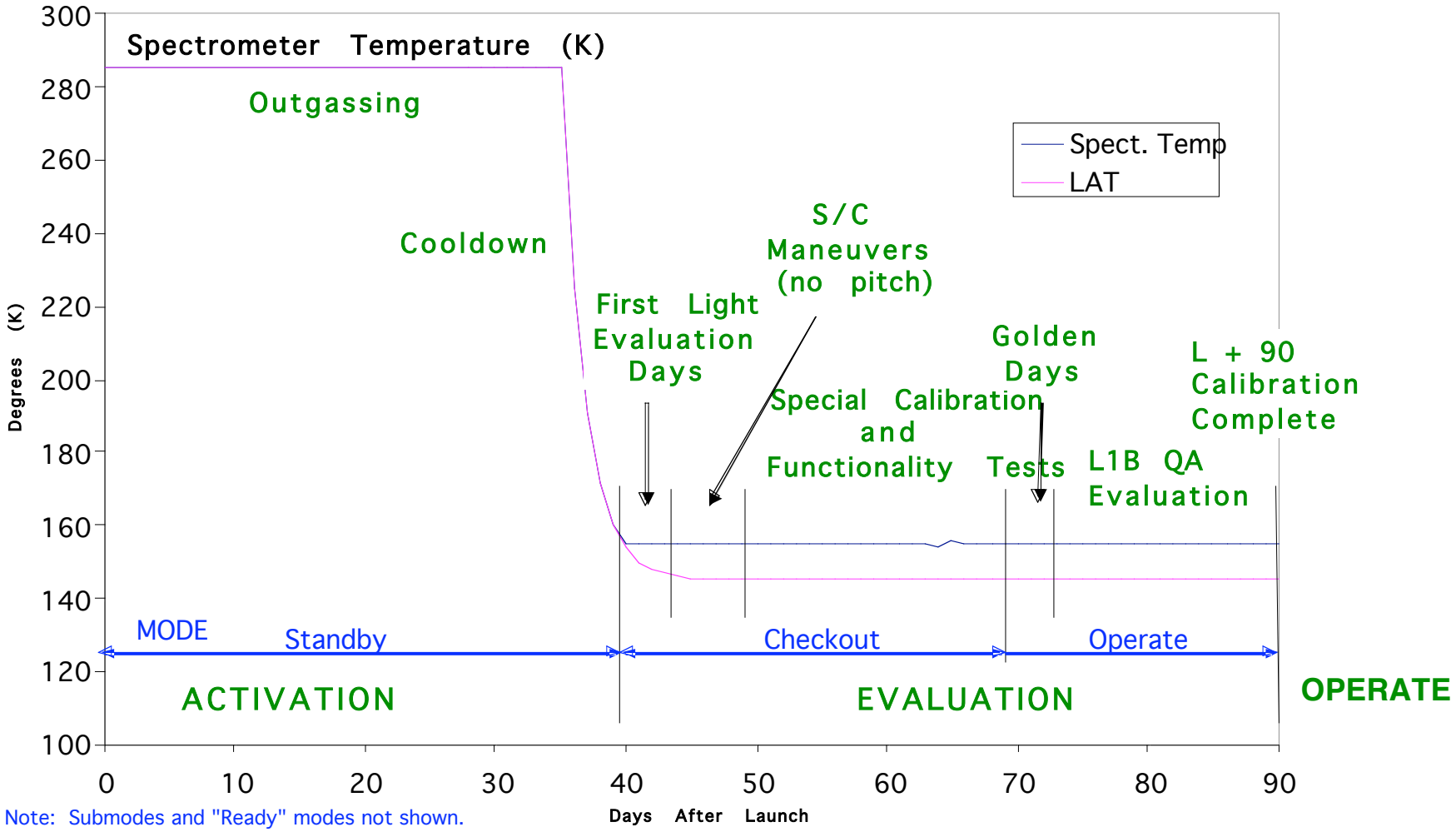
L TO L+90 IS
ACTIVATION AND EVALUATION PHASE



Note: Submodes and "Ready" modes not shown.

KEY EVENTS FOR AIRS PROJECT IN FIRST 90 DAYS

- Day 2: AIRS quiet and noisy buses powered on
  Decontamination heaters turned on
- Day 5: AIRS Group 2 power on
- Day 8,9: Power up AMSU and HSB. 1-2 days later data starts.
- Day 15: High rate starts. AIRS Scanning, VIS On, Warm Funct'l Tests
- Day 18-27: Spacecraft maneuvers
- Day 29: Earthshield deployed
- DAY 30-34: AMSU and HSB calibration tests. Switch to normal mode
- Day 36: Decontamination heaters turned off
- Day 37, 38: Initialize and turn on coolers and FPAs
- Day 39: Set Choke Point heater
- Day 39-41: Normal Mode. AIRS First Light; Start L1B Early Eval. Plan
- Day 42-48: Spacecraft maneuvers
- Days 49-67: AIRS special calibration tests (per In-Flight Cal Plan)
- Days 67-90: Switch to normal mode. L1B QA evaluations
- Day 90: L1B calibration table updates delivered

OPERATIONS READY

- **Total of 102 AIRS Procedures Ready for Flight**
  - ***Activation, contingency shutdown, calibration, etc.***
- **All calibration procedures run successfully at TRW**
- **SCIF testing successfully tested AIRS procedures**
  - ***Most tested live on AIRS.***
  - ***All procs have been tested except 3. They will be tested in SCIF #4 in February***
- **Operators Trained and Ready**

TIMELINE ASSUMPTIONS AND CONCLUSIONS

- **Timeline Assumptions**
  - ***Orbit achieved in time expected***
  - ***First outgassing exercise is sufficient and no others are required***
  - ***Orbital yaw maneuvers completed prior to calibration***
  - ***No deep space maneuver***
- **Conclusions**
  - ***Operational timeline in place.***
  - ***Calibration sequences a key part of evaluation phase***
  - ***ACT Ready to***
    - Transfer calibration to in-orbit environment
    - Monitor and trend AIRS calibration, health and status